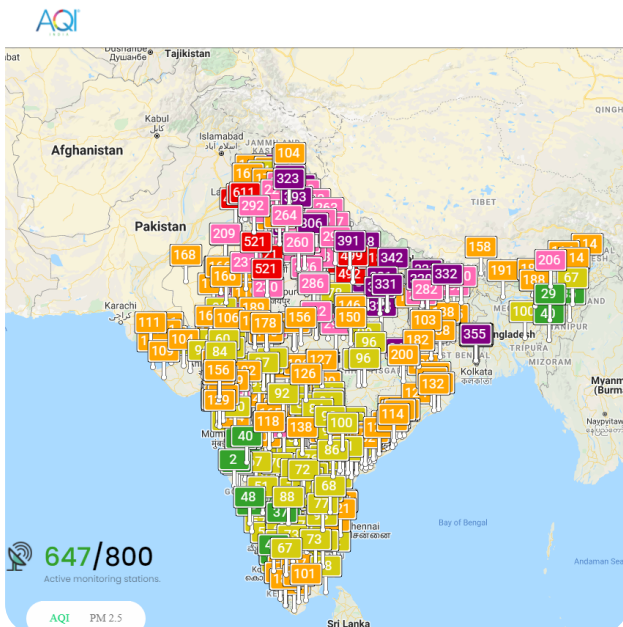# IOT FOR ENVIRONMENTAL ENGINEERS

Environment engineers are at the forefront of fighting pollution of our natural resources and IoT based solutions are helping them collect meaningful data to drive policy. The Central Pollution Control Board of India maintains a live dashboard, with drill down capability, for national air quality index at https://app.cpcbccr.com/AQI_India/ .

Even private organizations like AQI India have an installation base of 800 connected air quality monitoring stations across the country. These stations provide a livestream of several key air quality parameters including PM 2.5, PM 10, humidity, noise levels and temperature.

Like air, access to portable water is a fundamental need in India. The Public Health Engineering and Panchayati Raj departments in Bihar is implementing 'Mukhyamantri Gramin Peyjal Nishchay Yojana' to provide clean and safe household water supply to 114733 rural wards. An innovative supervisory IoT system is also being commissioned for real time monitoring of the water quality and the functioning of the scheme at a ward level with integrated dashboard at district and state level.

Capsule Labs is founded by IoT industry veterans and offers foundational IoT projects to develop a better understanding of IoT solution. Our water and air monitoring kits can help develop a deeper understanding of local pollution.